

Docket No. 217 – Development and Management Plan Inspection

Northeast Utilities Service Company Certificate of Environmental Compatibility and Public Need for the construction of a 345-kV electric transmission line and reconstruction of an existing 115-kV electric transmission line between Connecticut Light and Power Company's Plumtree Substation in Bethel, through the towns of Redding, Weston, and Wilton, and to the Norwalk Substation in Norwalk, Connecticut.

Date: May 10, 2005

Inspector: Diana Walden

Location: 345kV XLPE Component

Storm/

Rain Event: Between 0.03-0.28" of rain was recorded over 5/9-5/10 as reported by NOAA and based on location.

Areas of Inspection	Observation	Recommended Action	Corrective Action
Access Roads and Adjacent Roadways	<ul style="list-style-type: none"> -The jack and bore of East Swamp Brook is accessed from the roadway. 2/16-5/10/06. - No obvious sediment tracking was present on the roadway. 5/10/06 -Surface restoration continues along the Plumtree Substation access drive. 5/10/06 - All observed catch basins near disturbed areas were placed with controls. 5/10/06 - Sidewalk and curbing repair was occurring along Whittlesey Dr. Adjacent areas were being graded and restored. 5/10/06 -The stone access off Rt. 58 is in good shape but some vehicle tracking remains in the wetland where the mats were 	<ul style="list-style-type: none"> - Equipment is located on both sides of the bore as well as in the adjacent ball park during the day. 5/10/06. -Street sweeping is being performed regularly. Continue to monitor. 5/10/06 - None at this time. 5/10/06 -Continue to place controls on CBs where work will occur adjacent. 5/10/06 - Continue restoration efforts. 5/10/06 - Stone will be removed at the end of work here. See other sections for more information. 4/6-5/10/06 -Avoid backtracking into 	<ul style="list-style-type: none"> - Not applicable (N/A) -Street sweeping will be done regularly. -N/A - CBs are being covered. - Areas were being restored. - N/A.

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	removed. 4/12-5/10/06 - Work will return here eventually to connect to the trench. Ruts will be repaired at that time. 5/10/06	this area since the mats have already been pulled. Restoration should occur when work here is complete. 4/12-5/10/06	-Needs attention when work is complete
Trench and foundation construction	- Work at the jack and bore of East Swamp Brook located at the intersection of Plumtrees Rd. Walnut Hill Rd. and Whittlesey Dr. is ongoing. Sheet piling/shoring is in place on both sides of the intersection. 2/2-5/10/06	- The area remains well contained at this time but the operation is running into significant problems with keeping water out of the trench. The grout injections didn't work as anticipated. Other options are being evaluated. 4/26-5/10/06	-N/A
	-Work is complete in the pull-off near vault 2a and b and the area should be restored. 5/10/06	-See EC section for more details. 5/10/06	-N/A
	- Most roadway trench work appeared complete. Work was occurring to restore sidewalks and curbing. 5/10/06 -The trench is complete along the slope at Hoyts Hill with a small area of open trench remaining at the base. 4/6-5/10/06	- See EC section for more details. Permits are needed to continue trench work into Rt. 58. 4/26-5/10/06 - See erosion control section for more details 5/10/06	-N/A - N/A
Erosion and Sediment Controls (includes inspection within 24 hours of a storm event) Walnut Hill Rd. Jack and Bore	- Work is complete near vault 2A&B. Silt fence remains in place but the area will need some restoration. 5/10/06 - One inactive filter bag remained behind the silt fence. 4/26-5/10/06 -The plastic liner remains within the stream bed. The sandbag diversion is in place but excess water is still a problem here. 5/10/06	- Restore when feasible and keep stone surface to the minimum necessary. Allow natural revegetation where possible, especially in the area closest to the silt fence. 5/10/06 -Upon restoration, remove all materials including filter bags. 4/26-5/10/06 -The stream was still running clear at the time and will be restored eventually. New solutions are being investigated.	-Needs attention when feasible -Needs attention when feasible -N/A at the time

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<p>Whittlesey Dr and Judd Ave</p> <p>Hoyts Hill</p>	<p>- Silt fence was installed adjacent to some stored materials at the ball park. 5/10/06</p> <p>- Previously disturbed areas adjacent to the trench were being graded and restored. 5/10/06</p> <p>-Equipment was still located in the area of vault 5. 5/4-5/10/06</p> <p>- Transition station contractors repaired the tracks they made along the EC blankets. 5/10/06</p> <p>-Equipment tracking was noted in the wetland beyond the stone access where mats had previously been. 4/19-5/10/06</p>	<p>5/4-5/10/06</p> <p>- None at this time. 5/10/06</p> <p>- Continue to restore and revegetate these areas. 5/10/06</p> <p>- The area will continue to be accessed but should be restored when feasible. 5/10/06</p> <p>-None at this time. The slope is becoming stable. 5/10/06</p> <p>- Mats may have been removed prematurely. The wetland surface should be restored when work is complete here. 4/19-5/10/06</p>	<p>- Silt fence was installed proactively.</p> <p>- Restoration was occurring.</p> <p>- N/A</p> <p>- N/A</p> <p>-Needs attention when work is complete</p>
Inland Wetland and Watercourse encroachment and mitigation	<p>-East Swamp Brook crosses under Plumtrees Rd. A large plastic liner is in place across the bed and up along the banks to keep water out of the bore trench. The sandbag diversion is also in place. 5/10/06</p> <p>-Problems with excess water continue in the trench and further methods are being evaluated. 5/4-5/10/06.</p>	<p>- The stream continues to run clear. Be sure to remove the liner and restore the natural bed when work is complete. Watch the banks where soil was disturbed for any erosion. 2/16-5/10/06</p> <p>- Sheet piling in the stream may be necessary and appropriate permits will be obtained. Options are still being evaluated 5/4-5/10/06</p>	<p>-N/A at this time until the work is complete</p> <p>- N/A at this time.</p>
State species of concern, threatened and endangered species	<p>-The D&M plan and clearance letter states that state-listed species are not located in this work area.</p> <p>-However, a wood turtle was noted at Plumtree</p>	<p>- N/A</p> <p>-345kV XLPE crews should also be performing daily walkthroughs before</p>	<p>-N/A</p>

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	Substation last spring. 5/10/06	moving equipment in the morning if work returns here. 4/26-5/10/06	
Vegetative clearing limits (including trees to save or danger trees noted)	-Most work on this project remains in the roadway, access drives or maintained lawn areas. Restoration was occurring in a number of adjacent lawn areas. 5/10/06 - When restoring vault 2, a stone surface will be necessary over the vault but wetland vegetation is returning near the silt fence. 5/4-5/10/06	-Continue to restore lawn and vegetation as necessary, especially in areas where vaults were installed. 5/10/06 - Keep the stone area to the minimum necessary and restore vegetation in the remaining area. 5/4-5/10/06	-Restoration was occurring. - Needs attention when feasible
Dewatering	-The amount of water continues to overwhelm the dewatering efforts at the jack and bore. Dewatering is occurring continuously in order to keep the trench workable. Further actions are being evaluated here. 5/10/06	- In addition, the frac tank had been in use and attempts continue to divert stream water from over the work area with sand bags. 5/10/06	-N/A
Blasting	- No blasting is occurring at this work area.	- None at this time.	-N/A
Soils	- Little soil movement was noted due to the break in work. 5/10/06 - Topsoil remains stripped and stockpiled at the contractor yard. 3/15-5/10/06	- None at this time. Soil work is limited at the moment while the Rt 58 permit is being obtained. 5/10/06 - None at this time. Controls are well installed here. 3/15-5/10/06	- N/A -N/A
Spills and Material Storage Areas	- Equipment should be stored overnight up to 100ft or as far from resource areas where practicable. 1/19-5/10/06	- Report spills immediately, even if they are being controlled. - Any fuels and agents not in use should be covered	-N/A at the time

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	-Brush and some scrap sheet piling were noted in a wetland area around the dewatering box at the receiving pit of the J&B. 5/10/06	and stored before leaving for the day. - Continue to keep all vehicles maintained well (i.e. no apparent fluid leaks) if they will be used or stored on site. - Consider cleaning these materials up as wetland vegetation is growing in here. 5/10/06	- Needs attention if feasible

Next likely scheduled inspection:

Wednesday May 17, 2006

I have personally examined and am familiar with the information submitted in this document and all attachments and certify that based on reasonable investigation, including my inquiry of those individuals responsible for obtaining the information, the submitted information is true, accurate and complete to the best of my knowledge and belief, and I understand that any false statements made in this document or its attachments may be punishable as a criminal offense in accordance with Section 22a-6 under Section 53a-157 of the Connecticut General Statutes.

Inspector's Signature: Diana Walden



345kV XLPE: Photo on the left shows the Plumtree Substation yard where active work was mostly complete for this portion of the project. Photo on the right shows the vault 2a and b area which will be restored soon. Allow revegetation where feasible. 5/10/06



(Jack & Bore) Photo on the left shows some materials placed in a wetland area adjacent to the receiving pit. Clean up the area when feasible. Photo on the right shows the ball park area where silt fence was installed adjacent to stored materials. 5/10/06



Photo on the left shows a view of the jacking pad with erosion controls in place. Photo on the right shows some of the curb, sidewalk and landscaping restoration efforts along Whittlesey Drive. 5/10/06



Photo on the left shows sidewalk restoration and adjacent grading along the roadway. Photo on the right shows Hoyts Hill where the northern slope is well restored. 5/10/06